

# GPRC - NATIONAL BEE DIAGNOSTIC CENTRE (NBDC)

Proud member of  
**Tech-Access** Canada



**National Bee Diagnostic Centre**  
Technology Access Centre



**SERVICES OFFERED IN:**  
English, Spanish, Portuguese



**ADDRESS:**  
1 Research Road  
Beaverlodge, AB  
T0H 0C0



**WEBSITE:**  
[gprc.ab.ca/research/initiatives/nbdc](http://gprc.ab.ca/research/initiatives/nbdc)



**POINT OF CONTACT:**  
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The GPRC NBDC-TAC provides critical diagnostic services to beekeepers, researchers, Provincial and Federal agencies and Industry as its contribution towards a healthy, sustainable and profitable apiculture industry in Canada. We employ microbiology, microscopy and molecular techniques in order to identify pests, pathogens and parasites affecting honeybees.

## AREAS OF INNOVATION EXPERTISE

- Molecular diagnostics
- Expression analysis
- Next Generation Sequencing
- Sperm/Spore Viability tests
- *In-Situ* Hybridization
- High Resolution Melting analysis

*Affiliated with Grande Prairie Regional College*

## TECHNICAL AND BUSINESS SERVICES

- Project Management
- Sample analysis & testing
- Scientific and technological monitoring
- Technology development

## APPLIED RESEARCH AND DEVELOPMENT

- Design of Experiment
- Specialized molecular analysis on bees
- Technology validation and transfer

## TRAINING

- Connections to co-op placement opportunities
- Design, development, and delivery of customized training
- Interactive Workshop Sessions
- Qualitative & quantitative research

## TECHNOLOGY DIFFUSION

- Evening speaker series
- Industry-specific events & symposia
- Networking events
- Participation at trade shows & other venues with or on behalf of partners
- Presentation of results at conferences
- Publishing in Peer Reviewed Literature
- Seminars and Workshops

## INVENTORY OF SPECIALIZED EQUIPMENT

- Fluorescent Microscope and compound microscopes
- Hybridization Oven
- Image Analyzer
- Incubators for anaerobic conditions
- Microtome – Cryostat
- Next Generation Sequencer
- Real Time Quantitative Thermocycler and end-point thermocycler
- Spectrophotometer



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